

ABSTRACT

A capacity control valve enabling an increase in control fluid control accuracy by preventing the connection part of a solenoid rod part to the operating rod thereof from being worn and reducing the coefficient of friction between a movable core and the operating rod. The capacity control valve(1) comprises a tube(33) installed in a solenoid part(30), the movable core having, on an outer peripheral surface(32A) fitted to the tube(33), a sliding surface(32A1) and a non-contact peripheral surface(32A2) smaller in diameter than the sliding surface(32A) and formed so that the axial length(L1-L2) of the non-contact peripheral surface(32A2), a solenoid rod part(2D) joined to the movable core and having a connection face(2D1) at the end part thereof, and the operating rod(2) having a connection part(2E) engaged with the connection face(2D1) of the solenoid rod part(2D) and having a valve element(3) opening/closing a control fluid passing hole(14). The connection face(2D1) of the solenoid rod part(2D) and the connection part(2E) of the operating rod(2) are so formed that one thereof is formed in a recessed conical face(2D1B) having a bottom face (2D1A) and the other is formed in a projected conical part(2E2) having a truncated face(2E1).